

**REMARKS**

With the foregoing amendments, claims 12-23 are pending in the application. Favorable consideration is requested.

Original claims 1-11 have been cancelled without prejudice and replaced with new claims 12-23. New claims 12-23 are based upon the original claims as well as the specification. For example, new claim 12 incorporates the subject matter from original claims 1, 2 and 3, and is fully supported by the specification, e.g., pages 4-9 and Figures 1-7. No new matter has been added by the claim amendments.

In response to the objection to certain wording in the Abstract, a substitute Abstract is attached. Applicant submits that the substitute Abstract renders the objection moot.

Claims 1-11 stand objected for various informality reasons, and claims 4-6 stand rejected under 35 U.S.C. 112, second paragraph, as allegedly being indefinite. In response, applicant has deleted claims 1-11 and has submitted new claims 12-23. Applicant submits that new claims 12-23 render moot the objections and the rejections under Section 112.

Claims 1-7 and 9-10 stand rejected under 35 U.S.C. 102(b) as allegedly anticipated by Parker (U.S. Patent 2919583). Claims 1-7 stand rejected under 35 U.S.C. 102(b) as allegedly anticipated by Kasparian (U.S. Patent 3491600). Claims 1-11 stand rejected under 35 U.S.C 102(b) as allegedly anticipated by Yamamoto (EP 1077379). Finally, claims 1-5 and 8 stand rejected under 35 U.S.C. 102(b) as allegedly anticipated by Flander (U.S. Patent 4344235).

In response, applicants have cancelled the rejected claims without prejudice and, in place thereof, have submitted new claims 12-23 to further clarify and define the invention over the cited references. Applicant submits that the amended claims are not anticipated by the cited references for at least the following reasons.

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For example, none of the prior art discloses the claimed invention that requires hermetically sealing the sensor outer frame. Moreover, the claimed uses of the inertial sensor, for example, as a gravimeter, are not disclosed in the cited art. Thus, applicant submits that the prior art does not anticipate claims 12-23.

In view of the foregoing amendments and remarks, applicant submits that this application is in condition for allowance. A notice to that effect is earnestly solicited.

If the examiner has any questions concerning this application, the undersigned may be contacted at 703-816-4009.

Respectfully submitted,

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